



## UNITED STATES PATENT AND TRADEMARK OFFICE

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U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/583,088	Marie-Philippe Biron	P71338US0

136  
JACOBSON HOLMAN PLLC  
400 SEVENTH STREET N.W.  
SUITE 600  
WASHINGTON, DC 20004

INTERNATIONAL APPLICATION NO.	
PCT/IB04/04022	
I.A. FILING DATE	PRIORITY DATE
12/07/2004	12/16/2003

CONFIRMATION NO. 1568  
371 FORMALITIES LETTER

JACOBSON HOLMAN PLLC

Response Due On Or Before

Date Mailed: 03/04/2008

4, 4, 08  
Year



OC000000028512570

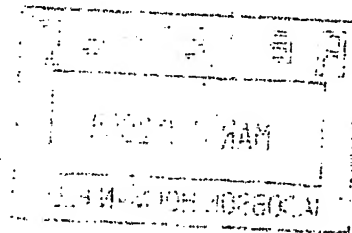
## NOTIFICATION OF DEFECTIVE RESPONSE

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated Office (37 CFR 1.494):

- Priority Document
- Copy of the International Application filed on 06/15/2006
- Copy of the International Search Report filed on 06/15/2006
- Preliminary Amendments filed on 06/15/2006
- Information Disclosure Statements filed on 06/15/2006
- Biochemical Sequence Diskette filed on 06/15/2006
- Oath or Declaration filed on 06/15/2006
- Biochemical Sequence Listing filed on 06/26/2006
- Request for Immediate Examination filed on 06/15/2006
- U.S. Basic National Fees filed on 06/15/2006
- Assignment filed on 06/15/2006
- Priority Documents filed on 06/15/2006
- Power of Attorney filed on 06/15/2006
- Specification filed on 06/15/2006
- Claims filed on 06/15/2006
- Abstracts filed on 06/15/2006
- Drawings filed on 06/15/2006
- Paper nucleotide sequence listings filed on 06/15/2006

Applicant's response filed 06/26/2006 is hereby acknowledged. The following requirements set forth in the NOTIFICATION of MISSING REQUIREMENTS mailed 03/07/2007 have not been completed.

- The paper or compact disc copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e). Applicant must provide a substitute paper or compact disc copy of the "Sequence Listing", as well as an amendment specifically directing its entry into the application OR a substitute computer readable form (CRF) copy of the "Sequence Listing". These two items must be the same. Applicant must also provide a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145



(September 19, 2000). Refer to attachment or PAIR document dated Does not comply, corrected diskette needed (See Attachment).

Applicant is required to complete the response within a time limit of **ONE MONTH** from the date of this Notification or within the time remaining in the response set forth in the Notification of Missing Requirements, whichever is the longer. No extension of this time limit may be granted under 37 CFR 1.136, but the period for response set in the Notification of Missing Requirements may be extended under 37 CFR 1.136(a).

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:

- For Rules Interpretation, call (571) 272-0951
- For Patent Software Program Help, call Patent EBC at 1-866-217-9197 or directly at 703-305-3028 / 703-308-6845 between the hours of 6 a.m. and 12 midnight, Monday through Friday, EST.
- Send e-mail correspondence for Patent Software Program Help @ [ebc@uspto.gov](mailto:ebc@uspto.gov)

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.

<https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at <http://www.uspto.gov/ebc>.

**If you are not using EFS-Web to submit your reply, you must include a copy of this notice.**

PAULETTE R KIDWELL

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Telephone: (703) 308-9140 EXT 216



IFWP

## RAW SEQUENCE LISTING

DATE: 06/26/2006

PATENT APPLICATION: US/10/583,088

TIME: 13:38:51

Input Set : A:\PCTIE2004004022.seq list.ST25.txt

Output Set : N:\CRF4\06262006\J583088.raw

5 <110> APPLICANT: BIO-RAD Pasteur  
 9 <120> TITLE OF INVENTION: Oligonucleotides for the detection of hepatitis B virus  
 12 <130> FILE REFERENCE: BET 04P1080  
 C--> 16 <140> CURRENT APPLICATION NUMBER: US/10/583,088  
 C--> 16 <141> CURRENT FILING DATE: 2006-06-15  
 16 <160> NUMBER OF SEQ ID NOS: 15  
 20 <170> SOFTWARE: PatentIn version 3.1  
 24 <210> SEQ ID NO: 1  
 26 <211> LENGTH: 3215  
 28 <212> TYPE: DNA  
 30 <213> ORGANISM: Hepatitis B virus  
 34 <400> SEQUENCE: 1

*see pp 2-4*  
 Does Not Comply  
 Corrected Diskette Needed

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35 ctccaccact ttccacaaaa ctcttcaaga tcccagagtc agggccctgt accttctctgc      60
37 tgggtggctcc agttcaggaa cagtgcagccc tgctcagaat actgtctctg ccatatcgtc      120
39 aatcttatcg aagactgggg accctgtgcc gaacatggag agcatcgcat caggactcct      180
41 aggaccctcg ctctgtgttac aggcggggtt tttcttggtg acaaaaaatcc tcacaatacc      240
43 acagagtcta gactcgtggt ggacttctct caattttcta gggggaacac ccgtgtgtct      300
45 tggccaaaat tcgcagtcce aaatctccag tcaactacca acctgttgtc ctccaacttg      360
47 tctctggtat cgctggatgt gtctgcggcg ttttatcatc ttctctgca tctgtgtgct      420
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51 aattccagga tcatcaacca ccagcacggg accatgcaag acttgcacag ctctgtctca      540
53 aggaacctct atgtttccct catgttgctg taaaaaacct acggacggaa actgcacctg      600
55 tattcccatc ccatcatctt gggctttcgc aaaataccta tgggagtggg cctcagtcgg      660
57 tttctcttg ctcagtttac tagtgccatt tgttcagtgg ttctagggc tttccccccac      720
59 tgtctggtt tcagttatat ggtgatgtg gttttggggg ccaagtctgt acaacatctt      780
61 gagtcccttt ataccgctgt taccaatttt cttttgtctt tgggtataca tttaaaccct      840
63 cacaaaacaa aaagatgggg atattccctt aacttcatgg gatatgtaat tgggagtggg      900
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67 gtaaacaggc ctattgattg gaaagtatgt caacgaattg tgggtctttt ggggtttgcc      1020
69 gcccctttca cgcaatgtgg atatcctgct ttaatgcctt tatatgcatg tatacaagca      1080
71 aaacaggctt ttactttctc gccaaacttac aaggcctttc taagtaaaca gtatctgaac      1140
73 ctttaccctg ttgctcggca acggcctggt ctgtgccaa tgtttgctga cgcaaccccc      1200
75 actggttggg gcttggccat aggccatcag cgcagtgcgt gaacctttgt gtctcctctg      1260
77 ccgatccata ctgcggaact cctagccgct tgttttgctc gcagcaggtc tggggcaaaa      1320
79 ctcatcggga ctgacaattc tgcctgtctc tcccgcagat atacatcctt tccatggctg      1380
81 ctaggctgtg ctgccaactg gatcctgcgc gggcagctct ttgtttacgt cccgtcggcg      1440
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85 ctgttgtaac gaccgaccac ggggcgcacc tctctttacg cggactcccc gtctgtgctt      1560
87 tctcatctgc cggaccgtgt gcacttcgct tcacctctgc acgtcgcagt gagaccaccg      1620
89 tgaacgcccc caggaacctg cccaaggctc tgcataagag aactcttgga ctttcagcaa      1680
91 tgtcaacgac cgaccttgag gcatacttca aagactgtgt gtttactgag tgggaggagt      1740
93 tgggggagga ggttaggtta atgatctttg tactaggagg ctgtaggcat aaattggtgc      1800
95 gttcaccage accatgcaac tttttcacct ctgcctaate atctcttgtt catgtcctac      1860
  
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## RAW SEQUENCE LISTING

DATE: 06/26/2006

PATENT APPLICATION: US/10/583,088

TIME: 13:38:51

Input Set : A:\PCTIB2004004022 seq list.ST25.txt

Output Set: N:\CRF4\06262006\J583088.raw

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99 agaatttgga gcttctgtgg agttactctc tttttgcct tctgacttct ttcctgctgt 1980
101 tcgagatctc ctgcacaccg cctctgctct gtatcgggag gccttagagt ctccggaaca 2040
103 ttgttcacct caccatacgg caatcaggca agctattctg tgttggggtg agttgatgaa 2100
105 tctagccacc tgggtgggaa gtaatttgga agatcaagca tccagggact tagtagtcag 2160
107 ctatgtcaac gttaatatgg gcctaaaatt cagacaacta ttgtggttct acatttctctg 2220
109 tcttacgttt gggagacaaa ctgttcttga atatttgggtg tcttgggag tgtggattctg 2280
111 cactcctcct gcatatagac caccaaatgc cctatctta tcaacacttc cggaaactac 2340
113 tgttggttaga caaagaggca ggacccttag aagaagaact ccctcgctc gcagacgaag 2400
115 gtctcaatcg ccgctcgca gaagatctca atctcgggaa tctcaatgtt agtattcctt 2460
117 ggacacataa ggtgggaaac ttactgggc ttattcttc tacggtacct tgctttaate 2520
119 ctaattggca aactccttct ttctctgaca ttcatttgca ggaggacatt gttgatagat 2580
121 gtaagcaatt tgtggggccc cttacagtaa atgaaaacag gagactaaaa ttaattatgc 2640
123 ctgctaggtt ttatcccaat gttactaaat atttgcctt agataaaggg atcaaaccgt 2700
125 attatccaga gtatgtagtt aatcattact tccagacgag acattattta cacactctt 2760
127 ggaaggcggg gatcttatat aaaagagagt ccacacgtag cgcctcattt tgcgggtcac 2820
129 catattcttg ggaacaagat ctacagcatg ggaggttggt cttccaaacc tcgaaaaggc 2880
131 atggggacaa atcttgtctgt ccccaatccc ctgggattct tccccgatca tcagttggac 2940
133 gctgcattca aagccaactc agacaatcca gattgggacc tcaacaggca caaggactac 3000
135 tggccggacg catggaaggt gggagtggga gcattcgggc cagggttcac cctcccat 3060
137 gggggactgt tgggggtggag ccctcaggct cagggcctac tcacaactgt gccagcagct 3120
139 cctcctcctg cctccaccaaa tcggcagtc ggaaggcagc ctactccctt atctccact 3180
141 ctaagagaca ctcatccaca ggccatgaag tggaa 3215

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144 &lt;210&gt; SEQ ID NO: 2

146 &lt;211&gt; LENGTH: 18

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W--&gt; 154 &lt;220&gt; FEATURE:

W--> 154 <223> OTHER INFORMATION: *insert <220>*W--> 154 <400> 2 *<223>*

155 gctgaatccc gcggacga

158 &lt;210&gt; SEQ ID NO: 3

160 &lt;211&gt; LENGTH: 21

162 &lt;212&gt; TYPE: DNA

C--> 165 <213> ORGANISM: Artificial *delete* oligonucleotide

W--&gt; 169 &lt;220&gt; FEATURE:

W--> 169 <223> OTHER INFORMATION: *this belongs on*W--> 169 <400> 3 *<223> line*

170 gtgcagaggt gaagcgaagt g

173 &lt;210&gt; SEQ ID NO: 4

175 &lt;211&gt; LENGTH: 19

177 &lt;212&gt; TYPE: DNA

C--> 179 <213> ORGANISM: Artificial *delete* oligonucleotide

W--&gt; 183 &lt;220&gt; FEATURE:

W--> 183 <223> OTHER INFORMATION: *this belongs on*W--> 183 <400> 4 *<223> line*

184 gttcacgggtg gtcgccatg

187 &lt;210&gt; SEQ ID NO: 5

189 &lt;211&gt; LENGTH: 19

## RAW SEQUENCE LISTING

DATE: 06/26/2006

PATENT APPLICATION: US/10/583,088

TIME: 13:38:51

Input Set : A:\PCTIB2004004022 seq list.ST25.txt

Output Set: N:\CRF4\06262006\J583088.raw

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C--> 193 <213> ORGANISM: Artificial oligonucleotide
W--> 197 <220> FEATURE:
W--> 197 <223> OTHER INFORMATION:
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198 gttcacgggtg gctctccatg
201 <210> SEQ ID NO: 6
203 <211> LENGTH: 21
205 <212> TYPE: DNA
C--> 207 <213> ORGANISM: Artificial oligonucleotide
W--> 211 <220> FEATURE:
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212 cggtcacgggt ggtcgccatg c
215 <210> SEQ ID NO: 7
217 <211> LENGTH: 21
219 <212> TYPE: DNA
C--> 221 <213> ORGANISM: Artificial oligonucleotide
W--> 225 <220> FEATURE:
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226 cggtcacgggt ggtctccatg c
229 <210> SEQ ID NO: 8
231 <211> LENGTH: 22
233 <212> TYPE: DNA
C--> 235 <213> ORGANISM: Artificial oligonucleotide
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243 <210> SEQ ID NO: 9
245 <211> LENGTH: 22
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C--> 249 <213> ORGANISM: Artificial oligonucleotide
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W--> 253 <400> 9
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257 <210> SEQ ID NO: 10
259 <211> LENGTH: 22
261 <212> TYPE: DNA
C--> 263 <213> ORGANISM: Artificial oligonucleotide
W--> 267 <220> FEATURE:
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271 <210> SEQ ID NO: 11
273 <211> LENGTH: 22
275 <212> TYPE: DNA

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## RAW SEQUENCE LISTING


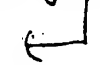
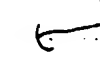

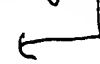
DATE: 06/26/2006

PATENT APPLICATION: US/10/583,088

TIME: 13:38:51

Input Set : A:\PCTIB2004004022 seq list.ST25.txt

Output Set: N:\CRF4\06262006\J583088.raw

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282 ggagactgcg taaagagagg tg 22  
285 <210> SEQ ID NO: 12  
287 <211> LENGTH: 32  
289 <212> TYPE: DNA  
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299 <210> SEQ ID NO: 13  
301 <211> LENGTH: 32  
303 <212> TYPE: DNA  
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W--> 309 <220> FEATURE:  
W--> 309 <223> OTHER INFORMATION:   
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315 <211> LENGTH: 32  
317 <212> TYPE: DNA  
C--> 319 <213> ORGANISM: Artificial *G* oligonucleotide  
W--> 323 <220> FEATURE:  
W--> 323 <223> OTHER INFORMATION:   
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324 cggcaggagt ctgcgtaaag agaggtgtgc cg 32  
327 <210> SEQ ID NO: 15  
329 <211> LENGTH: 32  
331 <212> TYPE: DNA  
C--> 333 <213> ORGANISM: Artificial *G* oligonucleotide  
W--> 337 <220> FEATURE:  
W--> 337 <223> OTHER INFORMATION:   
W--> 337 <400> 15  
338 cggcaggaga ctgcgtaaag agaggtgtgc cg 32

RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 06/26/2006  
PATENT APPLICATION: US/10/583,088      TIME: 13:38:52

Input Set : A:\PCTIB2004004022 seq list.ST25.txt  
Output Set: N:\CRF4\06262006\J583088.raw

Use of <220> Feature (NEW RULES):

Sequence(s) are missing the <220> Feature and associated headings.  
Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence"  
or "Unknown". Please explain source of genetic material in <220> to <223>  
section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32)  
(Sec.1.823 of new Rules)

Seq#: 2,3,4,5,6,7,8,9,10,11,12,13,14,15

## VERIFICATION SUMMARY

DATE: 06/26/2006

PATENT APPLICATION: US/10/583,088

TIME: 13:38:52

Input Set : A:\PCTIB2004004022 seq list.ST25.txt

Output Set: N:\CRF4\06262006\J583088.raw

L:16 M:270 C: Current Application Number differs, Replaced Current Application No  
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:150 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2  
L:154 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:2, <213>  
ORGANISM:Artificial Sequence  
L:154 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:2, <213>  
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L:154 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:2,Line#:154  
L:165 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3  
L:169 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:3, <213>  
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L:169 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3,Line#:169  
L:179 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4  
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L:197 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:5,Line#:197  
L:207 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6  
L:211 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:6, <213>  
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L:211 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:6, <213>  
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L:211 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:6,Line#:211  
L:221 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:7  
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ORGANISM:Artificial Sequence



L:267 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:10, <213>  
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L:277 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:11  
L:281 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:11, <213>  
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L:291 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:12  
L:295 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:12, <213>  
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ORGANISM:Artificial Sequence

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/583,088

DATE: 06/26/2006

TIME: 13:38:52

Input Set : A:\PCTIB2004004022 seq list.ST25.txt

Output Set: N:\CRF4\06262006\J583088.raw

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 L:319 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:14  
 L:323 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:14, <213>  
 ORGANISM:Artificial Sequence  
 L:323 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:14, <213>  
 ORGANISM:Artificial Sequence  
 L:323 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:14,Line#:323  
 L:333 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:15  
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